

Title (en)

SODA MACHINE PRONGED CLAMP WITH INTEGRAL PRESSURE LOCK

Title (de)

SODAAUTOMAT MIT GEZACKTER KLEMME MIT INTEGRIERTER DRUCKSCHLEUSE

Title (fr)

PINCE À BROCHES DE MACHINE À SODA AVEC VERROU SOUS PRESSION INTÉGRÉ

Publication

EP 3386615 B1 20210324 (EN)

Application

EP 16875007 A 20161213

Priority

- US 201562266625 P 20151213
- IB 2016057558 W 20161213

Abstract (en)

[origin: US2017165619A1] A pronged clamp apparatus for attaching a soda bottle to a home use carbonation machine, the apparatus includes a pronged clamp to receive the bottle, at a non-upright position prior to carbonation, the bottle having a neck ring, to attach the bottle to the carbonation machine when a user moves said bottle towards an upright position; a locking mechanism to lock the bottle to the carbonation machine via the neck ring in the upright position during carbonation; and an interlock operative within the locking mechanism utilizing the downward movement of the bottle under pressure to prevent the unlocking of the locking mechanism when there is excess pressure in the bottle.

IPC 8 full level

B67D 1/04 (2006.01)

IPC 8 main group level

B01F 23/00 (2022.01)

CPC (source: EP IL KR RU US)

A23L 2/54 (2013.01 - IL US); **B01F 23/2361** (2022.01 - EP IL KR US); **B01F 35/422** (2022.01 - EP IL KR US); **B65D 45/322** (2013.01 - IL US); **B67D 1/04** (2013.01 - IL RU)

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 10279321 B2 20190507; US 2017165619 A1 20170615; AU 2016372817 A1 20180510; AU 2016372817 B2 20211021; BR 112018009115 A2 20181106; BR 112018009115 A8 20190226; BR 112018009115 B1 20221018; CA 3003230 A1 20170622; CA 3003230 C 20231031; CL 2018001489 A1 20180907; CN 108472601 A 20180831; CN 108472601 B 20210525; CY 1124161 T1 20220527; DK 3386615 T3 20210517; EP 3386615 A1 20181017; EP 3386615 A4 20200115; EP 3386615 B1 20210324; ES 2870460 T3 20211027; HR P20210757 T1 20210820; HU E054199 T2 20210830; IL 259177 A 20180628; IL 259177 B1 20230801; IL 259177 B2 20231201; JP 2019501762 A 20190124; JP 6878432 B2 20210526; KR 102592469 B1 20231020; KR 20180092974 A 20180820; LT 3386615 T 20210525; MX 2018007156 A 20181129; NZ 741919 A 20230728; PL 3386615 T3 20210816; PT 3386615 T 20210514; RS 61692 B1 20210531; RU 2018122053 A 20200113; RU 2018122053 A3 20200204; RU 2724313 C2 20200622; SI 3386615 T1 20210630; WO 2017103770 A1 20170622

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US 201615376684 A 20161213; AU 2016372817 A 20161213; BR 112018009115 A 20161213; CA 3003230 A 20161213; CL 2018001489 A 20180604; CN 201680072901 A 20161213; CY 211100426 T 20210518; DK 16875007 T 20161213; EP 16875007 A 20161213; ES 16875007 T 20161213; HR P20210757 T 20210512; HU E16875007 A 20161213; IB 2016057558 W 20161213; IL 25917718 A 20180507; JP 2018528318 A 20161213; KR 20187016305 A 20161213; LT 16875007 T 20161213; MX 2018007156 A 20161213; NZ 74191916 A 20161213; PL 16875007 T 20161213; PT 16875007 T 20161213; RS P20210414 A 20161213; RU 2018122053 A 20161213; SI 201631190 T 20161213